(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 6 October 2005 (06.10.2005)

PCT

(10) International Publication Number WO 2005/093293 A1

- (51) International Patent Classification7: 57/00, F16D 3/52, F04C 29/00
- F16H 55/14,
- (21) International Application Number:

PCT/GB2005/001087

- (22) International Filing Date: 22 March 2005 (22.03.2005)
- (25) Filing Lauguage:

English

(26) Publication Language:

English

(30) Priority Data: 0406887.0

26 March 2004 (26.03.2004)

- (71) Applicant (for all designated States except US): THE BOC GROUP PLC [GB/GB]; Chertsey Road, Windlesham, Surrey GU20 6HJ (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): DAVENNE, Tristan, Richard, Ghislain [GB/GB]; Boc Edwards, Unit 2. 23 Dolphin Road, Shoreham By Sea, West Sussex, BN43 6PB (GB). SMITH, John, Cambridge [GB/GB]; Northpoint, The Driftway, Upper Beeding, Steyning, West Sussex, BN44 3JX (GB).

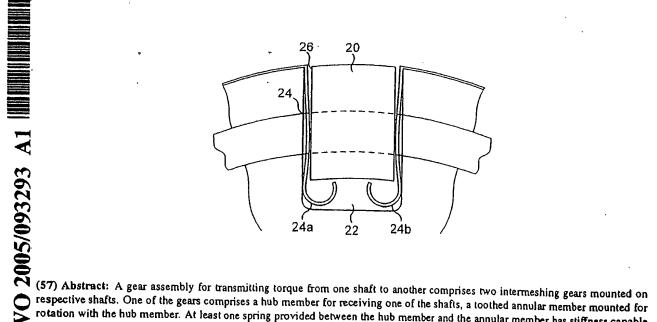
- (74) Agent: BOOTH, Andrew, Steven; The Boc Group Plc, Chertsey Road, Windlesham, Surrey GU20 6HJ (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: GEAR ASSEMBLY



respective shafts. One of the gears comprises a hub member for receiving one of the shafts, a toothed annular member mounted for rotation with the hub member. At least one spring provided between the hub member and the annular member has stiffness capable of reducing torsional vibrations and noise induced during rotation of the gears by the eccentricity of at least one of the gears.